

REMARKS

Claims 1-39 are pending in this application. Claims 1, 7, 12, 19, 25, 30 and 36-39 have been amended to correct typographical errors and to clarify the subject matter of the claimed invention. No new matter has been introduced.

Claims 1-39 stand rejected under 35 U.S.C. §102 as being anticipated by JP 20000137747 to Ebitani et al. ("Ebitani"). This rejection is respectfully traversed.

The claimed invention relates to a method and system for management of chemical materials. As such, independent claim 1 recites a method for management of chemical materials by *inter alia* "providing a first data set containing substances that comprise said chemical materials, wherein said substances include controlled substances," "providing a second data set containing said controlled substances" and "providing a third data set containing a ratio of discharge of said controlled substances in a process." Independent claim 1 also recites that "a fed substance and a discharged substance in the process are stored in said third data set" and that "said discharged substance includes said controlled substance . . . different from said fed substance and . . . generated in said process."

Independent claims 7 and 12 recite "analyzing a preset amount of said materials in said process and determining a quantity of said controlled substances utilizing said first and second data sets" and "determining an emissions quantity of said controlled substances utilizing said ratio and said quantity of said controlled substances."

Independent claim 19 recites a "system for management of chemical materials" comprising *inter alia* "a server" having "a first data set containing substances that comprise said chemical materials, wherein said substances include controlled

substances," "a second data set containing said controlled substances" and "a third data set containing a ratio of discharge of said controlled substances in a process."

Independent claim 19 also recites that the server is "in communication with a processor" which is programmed to "analyze a preset amount of said materials in said process and determine a quantity of said controlled substances utilizing said first and second data sets," "determine an emissions quantity of said controlled substances utilizing said ratio and said quantity of said controlled substances" and "maintain said third set of data according to a preset interval of time."

Independent claims 36-38 recite a "system for management of chemical materials" comprising "a first data set containing substances that comprise said chemical materials, wherein said substances include controlled substances," "a second data set containing said controlled substances" and "a third data set containing a ratio of discharge of said controlled substances in a process." Independent claims 36-38 also recite that the first and second data sets are "being utilized to analyze a preset amount of said materials in said process and determine a quantity of said controlled substances" and that the ratio and quantity of the controlled substances are "being utilized to determine an emissions quantity of said controlled substances."

Ebitani does not disclose all limitations of claims 1-39. Ebitani does not disclose providing "a third data set containing a ratio of discharge of said controlled substances in a process, wherein a fed substance and a discharged substance . . . are stored in said third data set and said discharged substance includes said controlled substance, and wherein said controlled substance is different from said fed substance and said controlled substance is generated in said process," as independent claims 1, 7, 12, 19, 25, 30 and 36-39 recite. Applicants note that, in the claimed invention, a controlled substance such as dioxin is generated in the process. However, dioxin is not the fed substance into the process. Thus, a different controlled substance from the fed

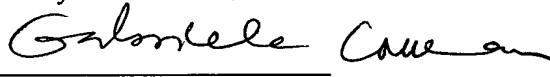
substance into the process may be generated in the process. Managing this generated controlled substance (e.g., dioxin), which is different from the fed substance and which is generated in the process, is the crux of the invention.

In Ebitani, each discharge ratio (release or emission coefficient) of the substances fed into the process is stored. However, in Ebitani, there is no teaching or suggestion on how to handle the discharge ratio of the generated substance (e.g., dioxin). Ebitani describes the rate of the chemical change amount. However, this chemical changed substance is not handled as a discharge substance. Further, there is no teaching or suggestion of providing a ratio of discharge of the chemical changed substance. Therefore, in Ebitani, only the amount of the chemical changed substance may be obtained and not the discharge amount of chemical changed substance.

Allowance of the application is respectfully requested.

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Respectfully submitted,

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